



New books, articles, and reports in your library this month

FIRE INCIDENTS – AUSTRALIAN



Firestorm (Book)
Greg Mullins, 2021
NSW RFS volunteer and former FRNSW Commissioner, Greg Mullins watched over five decades as weather patterns and natural disaster risks changed, and bushfires become bigger, hotter and more destructive. He talked to scientists and weighed their evidence with his experience, coming to the realisation that man-made global warming was setting the stage for a deadly firestorm. His book is an account of raging fire, political evasion, and science. Available as an audiobook and hardcopy, please contact the library to borrow.



From the ashes (Magazine article)
Australian Geographic, Sept/Oct 2021
Life is being renewed on K'gari (Fraser Island) where bushfires started on 14 October last year near Orange Creek in the island's north-east. There is a history of fires on the island due to both

anthropogenic causes and lightning strikes. Use our eMagazine link to read this article in the latest issue of Australian Geographic.

FIRE INCIDENTS – INTERNATIONAL

Big fires demand a big response: How 1910's Big Burn can help us think smarter about fighting wildfires and living with fire (News article)

The Conversation, 26 Sept 2021
In the summer of 1910, wildfires roared across the bone-dry forests of the inland Northwestern U.S., the Rockies, and parts of British Columbia. The aftermath of 1910 led to bold decision-making in forest and fire management techniques and directives. Fire suppression, at least in the way the Forest Service and allied agencies went about it – militarised, technologically impressive, expensive – led the U.S. down a forest management path that neglected other, more nuanced approaches to fire. Use this ScienceDaily link to read the article online.

Wildfire Is Transforming Alaska and Amplifying Climate Change (Magazine article)
Scientific American, 1 October 2021

EMERGENCY MANAGEMENT



2020-21 Major Incidents Report (Report)
AIDR,
This report provides an overview of 8 major incidents that have involved the fire and emergency services sector in the financial year. It includes the 2020 K'Gari (Fraser Island) Bushfire, the 2021 Wooroloo (Perth Hills) bushfire and the NSW floods earlier this year. Use this AIDR link to read the report online.

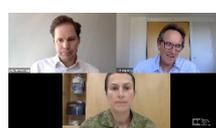


Update to the economic costs of natural disasters in Australia (Report)
Australian Business Roundtable, October 2021
Deloitte's report estimates the economic costs of natural disasters in Australia under different climate change scenarios. Among several key findings, the report shows that today, natural disasters cost the Australian economy \$38 billion per year on average. This cost is estimated to increase to \$73 billion per year by 2060. This is significantly higher than what they reported in 2017. Use this ABR link to read the report online.



Coping with natural disaster (eBook)
Edited by Justin Healey, 2021
Recent major bushfires and floods demonstrate how increasingly exposed Australia is to natural hazards, causing distressing loss of life and property and devastating the environment. Part of the Issues in Society series, this book looks at what can we do at a government, emergency services, community and personal level to protect ourselves, develop resilience and recover from the next natural disaster? Contact the library to read the eBook online.

LEADERSHIP AND MANAGEMENT



Ethical Decision Making (Webinar, 1 hr 29 mins)
Cranlana Centre for Ethical Leadership, March 2021
In this webinar, the Cranlana Centre for Ethical Leadership partnered with the Centre for Australian Army Leadership and BRIG Ana Duncan to

So-called zombie fires—thought dead but reanimated—are flaring up as climate change makes the Alaska fire season hotter and longer. Zombie fires can recur because in northern ecosystems trees are not the only—or even the main—fuel, but a dense, peaty layer, called duff. Use this [Scientific American link](#) to read the article online.



The battle of High Hill (Magazine article)
Atlantic, October 2021

This article focuses on the two megafires that occurred on a town near the Beachie Creek in Oregon. Topics discussed include factors that may have ignited and contributed to

the wildfire, the scale of the damage done by the two wildfires, and the response of firefighters and other emergency personnel to the wildfire.

Contact the library to request a copy of the article

HAZARD REDUCTION AND PRESCRIBED BURNING



Valuing Ecological Assets Part 1
(Webinar : 59 mins)
Centre of Excellence for Prescribed Burning, Sept 2021

This presentation summarises

some familiar questions concerning approaches to fire management, identifying “valuable assets” and ways to ensure their protection. All of our experience and scientific evidence favours proactive management rather than emergency response. The presenter, Mark Finney has been a Forest Researcher for the U.S. Forest Service at the Missoula Fire Sciences Laboratory since 1993.

Use this [YouTube link](#) to watch this presentation online.

CULTURAL BURNING



Cultural burning in southern Australia
(Booklet and posters)
Jessica Weir, BNHCRC, September 2021

This booklet and posters presents six diverse personal cultural burning experiences from across southern Australia. These experiences,

ranging from growing up burning with family and continuing to be involved today, to reigniting cultural burns on lands where it has too long been absent, are both diverge and align as Aboriginal peoples’ paths, perspectives and priorities have always diverged and aligned.

Use this [BNHCRC link](#) to download the booklet and 6 posters

AVIATION AND UAVS

discuss practical discussions that sharpen critical reasoning and strengthen moral courage Use this [The Cove YouTube link](#) to watch the presentation online.

The Inevitable Change In Work Culture: Does remote work help or hurt? (Magazine article)

Leadership Excellence, October 2021

Many companies have established—and are implementing—policies for working remotely even after the pandemic is over. Given these new policies, what else have we learned from the pandemic?

Contact the library to request a copy of the article



Working from home (Research paper)
Productivity Commission, 16 Sept 2021

The pandemic has demonstrated that many jobs can be effectively done from home. This report considers how decisions about

location of work will be made as firms and

workers continue to learn how to organise their work, and what an increase in working from home might mean for workplace regulation, urban centres and wellbeing more generally.

Use this [PC link](#) to read the report online.

Leadership v Likership (ADF Article)

The Cove, April 2021

This article is written to discuss leadership styles and redefine the term ‘likership’. It will firstly discuss the author’s own internal struggle with defining my leadership style as an Officer Commanding. The article will also argue that liked leaders are more effective than those that are not and provide evidence as to why this is the case.

Use [The Cove link](#) to read the article online. A military education response to this article is available on *The Cove* [here](#).

What’s Your IDEA? (Magazine article)

TD : Talent Development, Sept 2021

The author developed a process and a set of skills called constructive debate that enables leaders and teams to participate in vigorous back-and-forth contests intended to develop stronger ideas rather than prove who is right.

Contact the library to request a copy of the article

HEALTH & FITNESS



So you think you know what's good for you
(Book)

Norman Swan, 2021

After many years of listening, Norman Swan knows what medical issues people are curious and concerned about. Drawing on the questions he hears time and again, from millennials to baby boomers and all the generations between, this is a one-stop



Air Attack – Issue 17 is online.

This issue looks at the Black Hawk and some regulators such as Australia’s CASA, considering the use of a restricted category helicopter in passenger-carrying operation creates as an

unacceptable risk to safety”, pilots fighting fires in Turkey, and Russia’s aerial emergency response force. Use this [link](#) to read Air Attack online.

Weather to proceed (Magazine article) Australian Flying, Nov-Dec 2021

Weather information resources have evolved from a print-out handed to you over a desk to timely, in-flight data presented in a reader-friendly fashion. The author, Kreisha Ballantyne, looks at the options for assessing the weather for your flight ahead.

Contact the library to request a copy of the article

BUSHFIRE SMOKE

N95 respirators could offer robust protection from wildfire smoke (ScienceDaily news article)

American Geophysical Union, 27 September, 2021

N95 respirators offer the best protection against wildfire smoke and other types of air pollution, performing better than synthetic, cotton and surgical masks. N95s were so effective in the lab experiments that the researchers estimate their widespread use could reduce hospital visits attributable to wildfire smoke by 22% to 39%.

Use this [ScienceDaily link](#) to read the article online.



Comparative Assessment of the Impacts of Prescribed Fire Versus Wildfire (CAIF): A Case Study in the Western U.S. (US Report) U.S. EPA., 30 Sept 2021

This 438-page report is the result of an EPA assessment to characterise and compare

the smoke impacts, both the air quality and health impacts, of prescribed fire of prescribed fire and wildfire under different fire management strategies, including prescribed fire.

Use this [EPA link](#) to read the report online.

AGRICULTURE AND FARMING



Why you should give a f*ck about farming (Book)

Gabrielle Chan, 2021

Farming sits at the intersection of the world's biggest challenges around climate change, soil, water, energy, natural disasters and

zoonotic diseases. Yet Australia has no national food policy. No national agriculture strategy. In this book Gabrielle Chan examines the past, present and future of

handbook that will settle fruitless anxieties and allow people to focus on what matters to them.

Contact the library to request a loan of the book.

MENTAL HEALTH

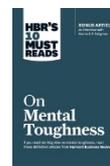


Burnout : a guide to identifying burnout and pathways to recovery (Book)

By Gordon Parker, 2021

Burnout is widespread among high achievers in the workplace, in business and in caring professions like health and teaching. Drawing on new research, this book hands you the tools to work out whether you have burnout - or not. The good news? It is possible to recover from even severe burnout.

Contact the library to request a loan of the book.



HBR's 10 must reads : on mental toughness (eBook)

Harvard Business Review Press, 2018

We've combed through hundreds of articles in the Harvard Business Review archive and selected ten of the most important ones to help you build your emotional strength and resilience--and to achieve high performance.

Use this [link](#) to read the eBook online.



The resilience shield (Book)

Dan Pronk, Ben Pronk and Tim Curtis, 2021

In their ground-breaking guide to overcoming adversity, three Australian SAS veterans take you behind the scenes of special operations missions, into the boardrooms of leading companies and through the depths of contemporary research in order to demystify and define resilience. This book explores the hard-won resilience secrets of elite soldiers and the latest thinking on mental and physical wellbeing.

Contact the library to request a loan of the book.

From bushfires, to floods, to COVID-19: how cumulative disasters can harm our health and erode our resilience (News article)

The Conversation, 15 Sept 2021

We are now beginning to understand the effects of being exposed to multiple disasters. In the United States, people who experienced both Hurricane Katrina in 2005 and the Deepwater Horizon oil spill in 2010 had significantly increased anxiety and post-traumatic stress disorder (PTSD) than those who experienced only one of the disasters.

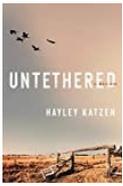
Use [The Conversation link](#) to read the article online.

Books in our *Mental Health and You* collection can be found listed [here](#)

SAFETY

farming. She lays out how our nation, its leaders, farmers and eaters can usher in new ways for us to work and live on our unique and precious land.

Contact the library to request a loan of the book.



Hayley Katzen's unexpected life as a farmer's wife (ABC Podcast, 45 mins)

ABC Conversations, Aug 2021

When academic Hayley Katzen fell in love with a farmer named Jen, within a few years she made the big decision to move to the country to be with her. Hayley began to struggle with many of the extremely demanding elements of running a working farm. She also began to question her own identity as someone new to the Australian bush. Then she got involved in the local bush fire brigade, and began to find her people.

Use this [ABC link](#) to listen to the podcast online.

Hayley Katzen's book, [Untethered](#), is also available from the library to borrow.

ECOLOGY



Saving wildlife after bushfires: what is the evidence for effective action (Webinar)

NESP Threatened Species Recovery Hub, 12th of October 1 - 3pm

First webinar in the *Protecting biodiversity and heritage from wildfire: lessons from 2019-20* series.

Join speakers from DPIE, Kangaroo Island Landscape Board, ACT Government and more as they discuss what they've learnt about protecting wildlife from the devastating effects of catastrophic fire.

Read more and register for this webinar [here](#)



The sixth extinction : an unnatural history (Book)

Elizabeth Kolbert, 2015

Over the last half billion years, there have been five major mass extinctions, when the diversity of life on Earth suddenly and dramatically contracted.

Scientists are currently monitoring the sixth extinction, predicted to be the most devastating since the asteroid impact that wiped out the dinosaurs. In this book the author tells us why and how human beings have altered life on the planet in a way no species has before.

Contact the library to request a loan of the book.

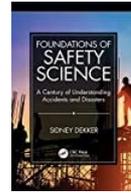
Wildfire bees on the brink (ScienceDaily news article)

Flinders University, 4 October 2021

The number of threatened Australian native bee species is expected to increase by nearly five times after the devastating Black Summer bushfires in 2019-20, new research has found.

Use this [ScienceDaily link](#) to read the article online.

Australian Wildfires Triggered Massive Algal Blooms in Southern Ocean (ScienceDaily news article)



Foundations of safety science : a century of understanding accidents and disasters (Book)

Sidney Dekker, 2019

What do Heinrich's 'unsafe acts' from the 1930's have in common with the Swiss cheese model of the early 1990's? Why was the reinvention of human factors in the 1940's such an important event in the development of safety thinking? This book covers the origins of major schools of safety thinking, and traces the heritage and interlinkages of the ideas that make up safety science today.

Contact the library to request a loan of the book.

Effect of vented helmets on heat stress during wildland firefighter simulation (Journal article)

International Journal of Wildland Fire Vol 30, Sept 2021

This study compared heat accumulation under simulated working conditions while wearing a standard non-vented helmet versus a vented helmet. Ten male subjects randomly completed two trials separated by a 2-week washout. Elevated work, trends for changes in perceived exertion, helmet microenvironment and perceived head heat suggest greater heat dissipation and comfort with the vented helmet.

Use this [IJWF link](#) to read the open access article online.

BUILDING

AI system identifies buildings damaged by wildfire (ScienceDaily news article)

Stanford University, 16 September 2021

People have suffered the nerve-wracking anxiety of waiting weeks or months to find out if their homes have been damaged by wildfires that scorch with increased intensity. Now, once the smoke has cleared for aerial photography, researchers have found a way to identify building damage within minutes. The current method of assessing damage involves people going door-to-door to check every building. DamageMap is not intended to replace in-person damage classification, it could be used as a scalable supplementary tool by offering immediate results and providing the exact locations of the buildings identified.

Use this [ScienceDaily link](#) to read the article online.

Contact the library to request a copy of the relevant article attached the relevant journal article

"DamageMap: A post-wildfire damaged buildings classifier" from the November issue of *International Journal of Disaster Risk Reduction*

Housing arrangement and vegetation factors associated with single-family home survival in the 2018 Camp Fire, California (Journal article)

Fire Ecology, Vol 17, December 2021

The 2018 Camp Fire, which destroyed 18,804 structures in northern California, including most of the town of

Duke University, 15 September, 2021

Smoke and ash from the 2019-20 Australian wildfires triggered widespread algal blooms in the Southern Ocean thousands of miles downwind, a new study finds. It raises intriguing questions about the role wildfires may play in spurring the growth of marine phytoplankton and how that may affect oceanic carbon uptake and productivity.

Use this [ScienceDaily link](#) to read the article online



[Flames of extinction : the race to save Australia's threatened wildlife](#) (eBook)

John Pickrell, 2021

Award-winning science writer John Pickrell investigates the effects of the 2019-2020 bushfires on Australian wildlife and ecosystems. Pickrell explores the stories of creatures that escaped the flames, the wildlife workers who rescued them, and the conservationists, land managers, Aboriginal rangers, ecologists and firefighters on the front line of the climate catastrophe.

Contact the library to read the eBook online. A hard copy is also available to borrow from the library.

Destroying vegetation along fences and roads could worsen our extinction crisis — yet the NSW government just allowed it (News article)

The Conversation, 17 September 2021

The NSW government last week made it legal for rural landholders to clear vegetation on their properties, up to 25 metres from their property boundaries, without approval. This radical measure is proposed to protect people and properties from fires. Some plants, animals and fungi live in these strips of vegetation permanently. Others use them to travel between larger habitat patches.

Use [The Conversation link](#) to read the article online.

CLIMATE CHANGE



Neighbourhood issue: climate costs and risks to councils (Report)

Climate Council, 22 Oct 2021

As the level of government closest to the community, councils are at the heart of responding to climate impacts. When disaster strikes, local governments work closely with communities to cope and respond. They are also often left with the task of cleaning up – and paying for – the mess, while they keep delivering the essential services.

Use this [Climate Council link](#) to read the report online.

Paradise, provided an opportunity to investigate housing arrangement and vegetation-related factors associated with home loss and determine whether California's 2008 adoption of exterior building codes for homes located in the wildland-urban-interface (WUI) improved survival.

Use this [Springer link](#) to read the article online.

CHILDREN'S BUSH FIRE COLLECTION



[Heroes of Black Summer](#) (Book)

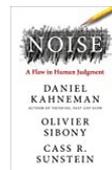
By Kylie Miller, 2021

A new picture book for young children illustrating some of the heroic, brave and kind actions of Australian people during the 2019-20 bushfire season. Each mini story captures a real life experience of the harrowing events from individuals and families living in the East Gippsland region.

Contact the library to request a loan of the book.

Books in our children's bush fire collection can be found listed [here](#)

GENERAL



[Noise : a flaw in human judgment](#) (Book)

Daniel Kahneman, 2021

Imagine that a doctor or a judge make different decisions depending on whether it is morning or afternoon, or Monday rather than Wednesday, or they haven't yet had lunch. These are examples of noise: variability in judgments that should be identical. In this book the authors show how noise produces errors in many fields, including in medicine, law, public health, economic forecasting, forensic science, child protection, creative strategy, performance review and hiring.

Contact the library to request a loan of the book.

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